



OFFICE OF  
**RIVER PROTECTION**  
United States Department of Energy

# Proposed Permit Modification for WTP Interim Compliance Schedule

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Presented by: U.S. Department of Energy – Office of River Protection

**March 30, 2017**





# Hanford Historical Overview



**1940s-1980s: Construction & Plutonium Production**



**1940s-1980s: Creation of Tank Waste**



**Present: Waste Treatment Plant Construction**



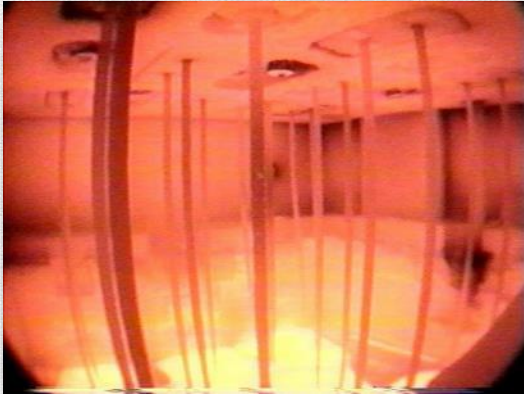
**Present: Stabilization & Safe Storage**











**Molten glass and waste in a melter**



**Simulated vitrified waste**



**High-level waste (tall) and  
low-activity waste containers**



**Simulated vitrified waste  
in a container**





- A permit issued under the Resource Conservation and Recovery Act (RCRA) provides the regulatory framework for management of hazardous waste at Hanford
- Washington Department of Ecology is the regulatory authority for the hazardous waste permit for WTP
- A Consent Decree issued in October 2010 set compliance schedules for retrieving waste from some single-shell tanks and the construction and initial operation of WTP facilities
- The Consent Decree was amended in March and April 2016
  
- ❖ **State regulations require the WTP permit to align with the new WTP Interim Compliance Schedule in the Amended Consent Decree. This alignment necessitates a Class 3 Permit Modification.**







- This proposed modification request revises the WTP permit to align with the 2016 Amended Consent Decree dates
- The original 2010 WTP Interim Compliance Schedule reflected a single compliance schedule for completing hot commissioning of all WTP facilities by December 30, 2018
- The Amended Consent Decree established a hot commissioning milestone for the Low-Activity Waste facility that is earlier than that for the Pretreatment and High-Level Waste facilities
  - 25 compliance schedule items to support design and construction of WTP facilities have been completed
  - 17 of the remaining 20 items support WTP operations (e.g. contingency plans, training plans)
- Not every date in the proposed modification has a corresponding date in the Amended Consent Decree







- What is the public being asked to comment on?
- Comment period open through **May 5, 2017**
- Submit comments via mail or email (preferred) to the Washington Department of Ecology:  

Dan McDonald  
Washington Department of Ecology  
3100 Port of Benton Boulevard  
Richland, WA 99354  
Email: [Hanford@ecy.wa.gov](mailto:Hanford@ecy.wa.gov)
- The current 60-day DOE-led comment period will be followed by a 45-day comment period on the permitting decision led by Ecology (schedule TBD)







# Questions?



The Hanford Reach  
White Bluffs Overlooking the Columbia River





# New Consent Decree Deadlines

<b>Milestones</b>	<b>2010 Consent Decree</b>	<b>2016 Consent Decree (Amended)</b>
<b>LAW Facility Construction Substantially Complete</b>	12/31/2014	12/31/2020
<b>Start LAW Facility Cold Commissioning</b>	12/31/2018	12/31/2022
<b>LAW Facility Hot Commissioning</b>	12/31/2019	12/31/2023
<b>Complete C Tank Farm retrievals</b>	9/30/2014	3/31/2024
<b>Complete retrievals from 9 additional SSTs</b>	9/30/2022	3/31/2024
<b>Pretreatment Facility Hot Commissioning</b>	12/31/2019	12/31/2033
<b>HLW Facility Hot Commissioning</b>	12/31/2019	12/31/2033
<b>WTP Hot Start</b>	12/31/2019	12/31/2033
<b>WTP Begin Initial Operations</b>	12/31/2022	12/31/2036

